

CASE NO.: 1128.017
Serial No.: 10/615,467
February 16, 2006
Page 2

PATENT
Filed: July 7, 2003

1. (previously presented) A skylight, comprising:
at least one light conveying structure having an upper end covered by a transparent cover and a lower end covered by a cover;
first and second valve elements pivotable between an open configuration, wherein a light passageway of the skylight is substantially not blocked, and a closed configuration, wherein the light passageway is substantially blocked;
a motor;
a reduction gear train reducing a speed of rotation of the motor to an operating speed of a gear train shaft; and
a cam coupling the shaft to the valve elements to transform one hundred eighty degrees (180°) of rotation of the gear train shaft to ninety degrees (90°) of rotation of the valve elements.
2. (original) The skylight of Claim 1, wherein each valve element turns on a respective axle.
3. (previously presented) The skylight of Claim 1, wherein each valve element defines a diameter and the elements are disposed in a shroud separate from and coaxially engaged with the light conveying structure, and the shroud defines a height less than the diameter.
4. (previously presented) The skylight of Claim 1, wherein the valve elements are disposed in a shroud separate from and coaxially engaged with the light conveying structure, the shroud being formed

1128-17.AM3

CASE NO.: 1128.017
Serial No.: 10/615,467
February 16, 2006
Page 3

PATENT
Filed: July 7, 2003

with a lip circumscribing an inner surface of the shroud, the valve elements engaging the lip in the closed configuration.

5. 6 (canceled).

7. (previously presented) The skylight of Claim 1, wherein the motor is wirelessly controlled.

8. (currently amended) The skylight of Claim 1, wherein the motor is controlled by a switch ~~electrically connected to the actuator.~~

9. (previously presented) The skylight of Claim 1, comprising a power supply to power the motor, the power supply operating to supply power at voltages at least in the range from about one hundred volts (100V) to about two hundred seventy volts (270V).

10. (canceled).

11. (previously presented) The skylight of Claim 1, wherein each valve element turns on a respective axle, and each axle rides on the cam.

12. (canceled).

1128-17.AM3

CASE NO.: 1128.017
Serial No.: 10/615,467
February 16, 2006
Page 4

PATENT
Filed: July 7, 2003

13. (currently amended) A valve assembly for a skylight, comprising:

a shroud defining a light passageway; and

a butterfly valve in the shroud and movable between an open configuration, wherein the light passageway is not blocked, and a closed configuration, wherein the valve elements cooperate to blocks the light passageway and are is completely within the shroud; and

a power supply to supply power to move the valve elements, the power supply operating to supply power when the voltage input to the power supply is about one hundred volts (100V), the power supply also supplying power to move the elements valve when the voltage input to the power supply is about two hundred seventy volts (270V), wherein the valve has at least two valve elements and each valve element turns on a respective axle.

14. (currently amended) The assembly of Claim 13, wherein the ~~valve includes first and second~~ valve elements are pivotable within the shroud between the open configuration and closed configuration.

15. (canceled).

16. (original) The assembly of Claim 14, wherein the shroud is formed with a lip circumscribing an inner surface of the shroud, the valve elements engaging the lip in the closed configuration.

17. (original) The assembly of Claim 14, comprising an actuator actuating the valve elements.

1128-17.AM3

CASE NO.: 1128.017
Serial No.: 10/615,467
February 16, 2006
Page 5

PATENT
Filed: July 7, 2003

18. (canceled).

19. (original) The assembly of Claim 14, wherein the actuator includes a motor and the assembly comprises:

a reduction gear train reducing a speed of rotation of the motor to an operating speed of a gear train shaft; and

a cam coupling the shaft to the valve elements to transform one hundred eighty degrees (180°) of rotation of the gear train shaft to ninety degrees (90°) of rotation of the valve elements.

20. (original) The assembly of Claim 19, wherein each valve element turns on a respective axle, and each axle rides on the cam.

21. (canceled).

22. (previously presented) A skylight, comprising:

light conveying means for conveying light;

shroud means for engaging the light conveying means and defining a light passageway; and

first and second valve element means for selectively closing the light passageway, the valve element means being pivotable within the shroud means between an open configuration, wherein the light passageway is substantially not blocked, and a closed configuration, wherein the light passageway is substantially blocked;

1128-17.AM3

CASE NO.: 1128.017
Serial No.: 10/615,467
February 16, 2006
Page 6

PATENT
Filed: July 7, 2003

actuator means for actuating the valve element means;

a reduction gear train reducing a speed of rotation of the actuator means to an operating speed of a gear train shaft; and

a cam coupling the shaft to the valve element means to transform rotation of the gear train shaft to rotation of the valve element means.

23. (original) The skylight of Claim 22, wherein each valve element means turns on a respective axle.

24. (original) The skylight of Claim 22, wherein each valve element means defines a diameter and the shroud means defines a height less than the diameter.

25. (original) The skylight of Claim 22, wherein the shroud means is formed with a lip means for engaging the valve element means in the closed configuration.

26. (canceled).

27. (original) The skylight of Claim 24, comprising power supply means for powering the actuator means, the power supply means operating at voltages at least in the range from about one hundred volts (100V) to about two hundred seventy volts (270V).

1128-17.AM3